

State of California
AIR RESOURCES BOARDEXECUTIVE ORDER A-4-52
Relating to Certification of New Motor Vehicle Engines

INTERNATIONAL HARVESTER COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That International Harvester Company 1978 model-year gasoline-powered engines in heavy-duty motor vehicles are certified for the engine families, codes and models described below:

<u>Family</u>	<u>Engine Size (CID)</u>	<u>Exhaust Emission Control System</u>
4-196C	196	Air Injection, Exhaust Gas Recirculation, Engine Modification
V-537C	537	

Models and Engine Codes as listed in attachment.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<u>Engine Family</u>	<u>HC + NOx gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NOx gm/bhp-hr</u>
4-196C		16	0.8	5.9
V-537C		18	0.2	7.5

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 12 day of August, 1977.


G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer International Harvester Executive Order No. A-4-52 Page 1Engine Family 4-196C/V-537C Engine (CID) 196/537 Calibration _____Emission Control System AI, EGR, EM

Engine Models	Distributor Type C Mfgr. Part No.	Fuel System Type I Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
4-196	Holley Prestolite 476165-C91 Prestolite 484777-C91 with vacuum advance	Holley 476025-C91 1V 487855-C91 487855-C92	472207-C1 I-12,000 mi.	(1) TDC @ 575 RPM (2) 0.5 - 2.0% CO (3) 525 - 575 RPM
V-537	Holley Prestolite 448195-C91 Prestolite 484794-C91	Holley 465487-C91 2V 487864-C91	440310-C1 I-12,000 mi.	(1) 7° BTDC @ 500 RPM (2) 1.0 - 2.0% CO (3) 500 - 550 Man. Trans. 600 - 650 Auto. Trans. (N)

Comments

Added new carburetor part numbers per running change #7801.
 Added optional prestolite distributors per running change #7803.
 Carburetor part No. change for Engine Family 4-196C approved per running change No. 7820.

Date of Issue

Abbreviation

Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

EI-Electronic Ignition

Exhaust Emission Control System

AI-Air Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

OC-Oxidation Catalyst

*Service

I-Inspect, repair, replace
as needed

R-Replace